

ES-5104PH V2

Quick Installation Guide

11-2020 / v2.2

Edimax Technology Co., Ltd.

No. 278, Xinhu 1st Rd., Neihu Dist., Taipei City, Taiwan

Email: support@edimax.com.tw

Edimax Technology Europe B.V.

Fijenhof 2, 5652 AE Eindhoven, The Netherlands

Email: support@edimax.nl

Edimax Computer Company

3444 De La Cruz Blvd., Santa Clara, CA 95054, USA

Live Tech Support: 1(800) 652-6776

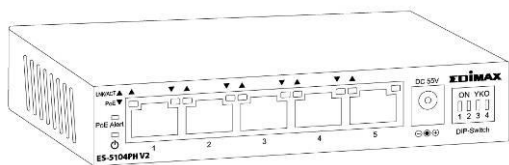
Email: support@edimax.com

Model No.

ES-5104PH V2: 5-Port Fast Ethernet Switch with 4 PoE+ Ports

Package Contents

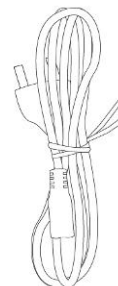
Before you start using this product, please check if there is anything missing in the package, and contact your dealer to claim the missing item(s):



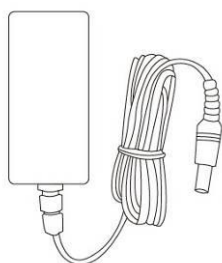
PoE+ Switch



QIG



Power Cord



Power Adapter

Hardware Overview

Front Panel:

Please refer to the following description for the front panel:



ES-5104PH V2

DIP Switch Definition:

The front panel of PoE+ switch provides four pins DIP Switch. The detailed descriptions are shown in the following table.


DIP Switch	Status	Description
1 (Extend)	On	This mode makes the PoE+ Port 1~2 operate at auto-negotiation 10Mbps speed duplex mode only, but the delivery distance of PoE power and network data can reach 200m .
	Off (default)	This mode makes the PoE+ Port 1~2 operate as a general switch.
2 (Extend)	On	This mode makes the PoE+ Port 3~4 operate at auto-negotiation 10Mbps speed duplex mode only, but the delivery distance of PoE power and network data can reach 200m .
	Off (default)	This mode makes the PoE+ Port 3~4 operate as a general switch.
3	On	This mode makes the PoE+ switch

(VLAN)		operate as a VLAN isolation switch and port 1 to port 4 will isolate respectively., port 1 to port 4 can only communicate with port 5 (uplink port).
	Off (default)	This mode makes the PoE+ switch operate as a genral switch.
4 (QoS)	On	This mode makes the PoE+ switch operate as a QoS switch, it follows the Video & Voice Traffic High Priority in QoS service.
	Off	This mode makes the PoE+ switch operate as a genral switch.

Please note, after truning ON the DIP switch you will have to Reboot the switch.

After installing the switch, you can check its status from the LED inducators on the front panel shown below.

LED Definitions:

LED	Color	LED Status	Description
Power 	Green	On	Switch is on.
		Off	Switch is off.
LNK/ACT	Green	On	Connected to 10/100M network.
		Flashing	Transferring/receiving data.
		Off	No device is connected.
PoE	Green	On	Feeding power to PoE devices.
		Off	PoE function is not active.
PoE Alert	Red	On	Total PoE power consumed is exceeding PoE budget.
		Off	Total PoE power is within PoE budget.

Back Panel:



Wall Mount Option



The switch can be mounted on a wall.

Measure the distance between the 2 mounting holes and screw a screw each into the wall. Carefully place the unit onto the wall by covering the caps of the screw with the mounting holes.

Operating Environment

This switch must be installed and operated within the limits of the specified operating temperature 0 - 40°C (32 - 104°F) and humidity (10 - 90% non-condensing).

- Do not place objects on top of the unit.
- Do not obstruct any vents at the sides of the unit.
- Do not position the unit close to any heating source such as a heater, radiator or in direct exposure to sun.

- Take care to ensure the unit does not come into contact with water. Consider using a dehumidifier to reduce humidity and prevent moisture entering the unit.

Connecting to Network Devices

The RJ-45 ports on the switch support Auto-MDI/MDI-X which allows either straight-through or cross-over type cables to connect this switch to a workstation or switch.

Connect one end of the network cable to the RJ-45 port on the side panel, and connect the other end of the network cable to the RJ-45 port on the network device. Follow the same procedure to connect all RJ-45 ports of the switch.

The UTP network cables must comply with EIA/TIA 568 specifications and Category 5 standard for data transmission. The maximum length for a UTP cable segment between the switch and connected devices is 100 meters (300ft).

Once the network cable is connected to both ends and the attached network device is powered on, the green LNK/ACT LED should be lit.

Connecting The Power

Connect the power adapter to the power connector of the unit; the green power LED on the front panel should be lit.



PoE Devices

30W

Video Phone

PTZ/Speed Dome
IP Camera



High Power
Wireless AP



PoE Switch



IP Phone



Wireless AP



IP Camera

15W

TROUBLESHOOTING

1. Power LED is not lit.

Check if the power cord is properly connected to the external power adapter and the power source. Make sure the DC power jack is firmly plugged into the power socket of the switch.

2. Link/Activity (LNK/ACT) LED is not lit when connected to devices.

- Ensure that the network device attached to the switch is switched on.
- Check the network cable; ensure it is properly connected to the switch and the network device.
- Check the network cable; ensure the UTP cable complies with EIA/TIA 568 and Category 5 specifications.

[!] Contact your dealer if problems persist.

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Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/30/EU.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/30/EU.
- Polški:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/30/EU.
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2014/30/EU.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2014/30/EU.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/30/EU).
- Türkçe:** Bu cihaz 2014/30/EU. direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2014/30/EU.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/30/EU.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/30/EU.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 2014/30/EU.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/30/EU.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/30/EU.
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 2014/30/EU.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/30/EU.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/30/EU.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/30/EU.
- suomen kieli:** Tämä laite täyttää direktiivien 2014/30/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN **AT BE CY CZ DK EE FI FR DE GR HU**
IE IT LV LT LU MT NL PL PT SK SI ES SE
GB IS LI NO CH BG RO RU TR UA



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directives.

Equipment: 5-Port Fast Ethernet Switch with 4 PoE Ports

Model No.: ES-5104PH V2

The following European standards for essential requirements have been followed:

Directives 2014/30/EU

EMC : EN 55032:2012+AC:2013 Class A
EN 61000-3-2:2014 Class A
EN 61000-3-3:2013
EN 55024:2010

Directives 2014/35/EU

Safety (LVD) : IEC 62368-1:2014 (2nd Edition) and/or EN 62368-1:2014+A11:2017

Edimax Technology Europe B.V.
Fijenhof 2,
5652 AE Eindhoven,
The Netherlands

Printed Name: David Huang

Title: Director

Edimax Technology Europe B.V.

a company of:

Edimax Technology Co., Ltd.
No. 278, Xinhu 1st Rd.,
Neihu Dist., Taipei City,
Taiwan



Date of Signature: Nov., 2020

Signature:

A handwritten signature in black ink, appearing to read 'Albert Chang', written over a horizontal line.

Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.